



## UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS  
UNITED STATES PATENT AND TRADEMARK OFFICE  
WASHINGTON, D.C. 20231  
www.uspto.gov



Bib Data Sheet

CONFIRMATION NO. 8555

<b>SERIAL NUMBER</b> 10/056,275	<b>FILING DATE</b> 01/23/2002 <b>RULE</b>	<b>CLASS</b> 455	<b>GROUP ART UNIT</b> 2681	<b>ATTORNEY DOCKET NO.</b> 020038
------------------------------------	---	---------------------	-------------------------------	--------------------------------------

**APPLICANTS**  
Irina Medvedev, Somerville, MA;  
Jay Rod Walton, Westford, MA;  
John W. Ketchum, Harvard, MA;

**\*\* CONTINUING DATA \*\*\*\*\*** *no, A.P.*

**\*\* FOREIGN APPLICATIONS \*\*\*\*\*** *no, A.P.*

**IF REQUIRED, FOREIGN FILING LICENSE GRANTED**  
**\*\* 02/20/2002**

Foreign Priority claimed <input type="checkbox"/> yes <input checked="" type="checkbox"/> no	35 USC 119 (a-d) conditions met <input type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> Met after Allowance	STATE OR COUNTRY MA	SHEETS DRAWING 9	TOTAL CLAIMS 47	INDEPENDENT CLAIMS 13
---	--	------------------------	---------------------	--------------------	--------------------------

Verified and Acknowledged *[Signature]* *A.P.*  
Examiner's Signature Initials

**ADDRESS**  
QUALCOMM Incorporated  
Attn: Patent Department # 23696  
5775 Morehouse Drive  
San Diego, CA 92121-1714

**TITLE**  
Reallocation of excess power for full channel-state information (CSI) multiple-input, multiple-output (MIMO) systems

<b>FILING FEE RECEIVED</b> 2196	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:	<input type="checkbox"/> All Fees <input type="checkbox"/> 1.16 Fees ( Filing ) <input type="checkbox"/> 1.17 Fees ( Processing Ext. of time ) <input type="checkbox"/> 1.18 Fees ( Issue ) <input type="checkbox"/> Other _____ <input type="checkbox"/> Credit
------------------------------------	---	---